Figure 6A

```
  1 S   D   T   V   C   D   S   C   E   D   S   T   Y   T   Q   L   W   N   W   V
  1 tcggacaccgtgtgtgacctcctgtgaggacagcacatacacccagctctggaactgggtt
  1            10          20          30          40          50

 21 P   E   C   L   S   C   G   S   R   C   S   S   D   Q   V   E   T   Q   A   C
 61 cccgagtgcttgagctgtggctcccgctgtagctctgaccaggtggaaactcaagcctgc
 61            70          80          90         100         110

 41 T   R   E   Q   N   R   I   C   T   C   R   P   G   W   Y   C   A   L   S   K
121 actcgggaacagaaccgcatctgcacctgcaggcccggctggtactgcgcgctgagcaag
121           130         140         150         160         170

 61 Q   E   G   C   R   L   C   A   P   L   P   K   C   R   P   G   F   G   V   A
181 caggaggggtgccggctgtgcgcgccgctgccgaagtgccgcccgggcttcggcgtggcc
181           190         200         210         220         230

 81 R   P   G   T   E   T   S   D   V   V   C   K   P   C   A   P   G   T   F   S
241 agaccaggaactgaaacatcagacgtggtgtgcaagccctgtgccccgggggacgttctcc
241           250         260         270         280         290

101 N   T   T   S   S   T   D   I   C   R   P   H   Q   I   C   N   V   V   A   I
301 aacacgacttcatccacggatatttgcaggcccccaccagatctgtaacgtggtggccatc
301           310         320         330         340         350

121 P   G   N   A   S   R   D   A   V   C   T   S   T   S   P   T   R   S   M   A
361 cctgggaatgcaagcagggatgcagtctgcacgtccacgtccccacccggagtatggcc
361           370         380         390         400         410

141 P   G   A   V   H   L   P   Q   P   V   S   T   R   S   Q   H   T   Q   P   S
421 ccaggggcagtacacttaccccagccagtgtccacacgatcccaacacacgcagccaagt
421           430         440         450         460         470

161 P   E   P   S   T   A   P   S   T   S   F   L   L   P   M   G   P   S   P   P
481 ccagaacccagcactgctccaagcacctccttcctgctcccaatgggccccagccccca
481           490         500         510         520         530

181 A   E   G   S   T   G   D   F   A   L   P   V   G   L   I   V   G   V   T   A
541 gctgaagggagcactggcgacttcgctcttccagttggactgattgtgggtgtgacagcc
541           550         560         570         580         590

201 L   G   L   L   I   I   G   V   V   N   C   V   I   M   T   Q   V   K   K   K
601 ttgggtctactaataataggagtggtgaactgtgtcatcatgacccaggtgaaaaagaag
601           610         620         630         640         650

221 P   L   C   L   Q   R   E   A   K   V   P   H   L   P   A   D   K   A   R   G
661 cccttgtgcctgcagagagaagccaaggtgcctcacttgcctgccgataaggcccggggt
661           670         680         690         700         710

241 T   Q   G   P   E   Q   Q   H   L   L   I   T   A   P   S   S   S   S   S   S
721 acacagggccccgagcagcagcaccttgctgatcacagcgccgagctccagcagcagctcc
721           730         740         750         760         770

261 L   E   S   S   A   S   A   L   D   R   R   A   P   T   R   N   Q   P   Q   A
781 ctggagagctcggccagtgcgttggacagaagggcgcccactcggaaccagccacaggca
781           790         800         810         820         830

281 P   G   V   E   A   S   G   A   G   E   A   R   A   S   T   G   S   S   A   D
841 ccaggcgtggaggccagtggggccgggggaggcccggccagcaccgggagctcagcagat
841           850         860         870         880         890
```

FIGURE 6B

```
301  S   S   P   G   G   H   G   T   Q   V   N   V   T   C   I   V   N   V   C   S
901  tcttcccctggtggccatgggacccaggtcaatgtcacctgcatcgtgaacgtctgtagc
901         910       920       930       940       950

321  S   S   D   H   S   S   Q   C   S   S   Q   A   S   S   T   M   G   D   T   D
961  agctctgaccacagctcacagtgctcctcccaagccagctccacaatgggagacacagat
961         970       980       990      1000      1010

341  S   S   P   S   E   S   P   K   D   E   Q   V   P   F   S   K   E   E   C   A
1021 tccagcccctcggagtccccgaaggacgagcaggtccccttctccaaggaggaatgtgcc
1021        1030      1040      1050      1060      1070

361  F   R   S   Q   L   E   T   P   E   T   L   L   G   S   T   E   E   K   P   L
1081 tttcggtcacagctggagacgccagagaccctgctggggagcaccgaagagaagcccctg
1081        1090      1100      1110      1120      1130

381  P   L   G   V   P   D   A   G   M   K   P   S
1141 ccccttggagtgcctgatgctgggatgaagcccagttaaccaggccggtgtgggctgtgt
1141        1150      1160      1170      1180      1190
1201 cgtagccaaggtggctgagccctggcaggatgaccctgcgaaggggccctggtccttcca
1201        1210      1220      1230      1240      1250
1261 ggccccccaccactaggactctgaggctctttctgggccaagttcctctagtgccctccac
1261        1270      1280      1290      1300      1310
1321 agccgcagcctccctctgacctgcaggccaagagcagaggcagcgagttgtggaaagcct
1321        1330      1340      1350      1360      1370
1381 ctgctgccatggcgtgtccctctcggaaggctggctgggcatggacgttcggggcatgct
1381        1390      1400      1410      1420      1430
1441 ggggcaagtccctgagtctctgtgacctgccccgcccagctgcacctgccagcctggctt
1441        1450      1460      1470      1480      1490
1501 ctggagcccttgggtttttgtttgtttgtttgtttgtttgtttgtttctcccccctgggc
1501        1510      1520      1530      1540      1550
1561 tctgcccagctctggcttccagaaaaccccagcatcctttctgcagaggggcttctgg
1561        1570      1580      1590      1600      1610
1621 agaggagggatgctgcctgagtcacccatgaagacaggacagtgcttcagcctgaggctg
1621        1630      1640      1650      1660      1670
1681 agactgcgggatggtcctggggctctgtgcagggaggaggtggcagccctgtagggaacg
1681        1690      1700      1710      1720      1730
1741 gggtccttcaagttagctcaggaggcttggaaagcatcacctcaggccaggtgcagtggc
1741        1750      1760      1770      1780      1790
1801 tcacgcctatgatcccagcactttgggaggctgaggcgggtggatcacctgaggttagga
1801        1810      1820      1830      1840      1850
1861 gttcgagaccagcctggccaacatggtaaaacccccatctctactaaaaatacagaaatta
1861        1870      1880      1890      1900      1910
1921 gccgggcgtggtggcgggcacctatagtcccagctactcagaagctgaggctgggaaat
1921        1930      1940      1950      1960      1970
1981 cgtttgaacccgggaggcggaggttgcagggagccgagatcacgccactgcactccagcc
1981        1990      2000      2010      2020      2030
2041 tgggcgacagagcgagagtctgtctcaaaagaaaaaaaaaaagcaccgcctccaaatgct
2041        2050      2060      2070      2080      2090
2101 aacttgtcctttgtaccatggtgtgaaagtcagatgcccagagggcccaggcaggccac
2101        2110      2120      2130      2140      2150
2161 catattcagtgctgtggcctgggcaagataacgcacttctaactagaaatctgccaattt
2161        2170      2180      2190      2200      2210
2221 tttaaaaaagtaagtaccactcaggccaacaagccaacgacaaagccaaactctgccagc
2221        2230      2240      2250      2260      2270
2281 cacatccaaccccccacctgccatttgcaccctccgccttcactccggtgtgcctgcag
2281        2290      2300      2310      2320      2330
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